State of Montana
Department of Environmental Quality
Helena, Montana 59620

AIR QUALITY OPERATING PERMIT NUMBER OP3185-01

Administrative Amendment Application Received: **June 13, 2008**
Application Deemed Administratively Complete: **June 13, 2008**
Application Deemed Technically Complete: **July 16, 2008**
AFS Number: 030-0018A

Date of Decision: **October 2, 2008**
Effective Date: **November 4, 2008**
Expiration Date: **June 14, 2013**

In accordance with the Montana Code Annotated sections 75-2-217 and 218, and the Administrative Rules of Montana (ARM) Title 17, Chapter 8, Subchapter 12, Operating Permit Program, ARM 17.8.1201, *et seq*.,

Rocky Mountain Power, LLC
Hardin Generating Station
NW ¼ of Section 12, Township 1 South, Range 33 East, in Big Horn County, Montana
Sugar Factory Road, Route #1
Hardin, MT 59304

hereinafter referred to as "RMP", is authorized to operate a stationary source of air contaminants consisting of the emission units described in this permit. Until this permit expires or is modified or revoked, RMP is allowed to discharge air pollutants in accordance with the conditions of this permit. All conditions in this permit are federally and state enforceable unless otherwise specified. Requirements which are state-only enforceable are identified as such in the permit. A copy of this permit must be kept on site at the above-named facility.

Issued by the Department of Environmental Quality

_____ _____
Signature Date

Permit Issuance and Appeal Process: In accordance with Section 75-2-218, MCA, the Department of Environmental Quality's (Department) decision regarding issuance of an operating permit is not effective until 30 days have elapsed from the date of the decision issued October 2, 2008. The decision may be appealed to the Board of Environmental Review (Board) by filing a request for a hearing within 30 days after the date of decision. The filing of a request for hearing does not stay the Department's decision, unless the Board orders a stay upon receipt of a petition and a finding that a stay is appropriate under Section 75-2-218(6)(b), MCA. If no stay is ordered, the Department's decision on the application is final 30 days after the decision is made and the Department will send notification and a final permit cover page to be attached to this document stating that the permit is final. Questions regarding the final issuance date and status of appeals should be directed to the Department at (406) 444-3490.

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Terms not otherwise defined in this permit or in the Definitions and Abbreviations Appendix of this permit have the meaning assigned to them in the referenced regulations.

SECTION I. GENERAL INFORMATION

The following general information is provided pursuant to ARM 17.8.1210(1).

Company Name: Rocky Mountain Power, LLC, Hardin Generating Station

Mailing Address: 2575 Park Lane, Suite 200

City: Lafayette State: CO Zip: 80026

Plant Location: Sugar Factory Road, Route #1, P.O. Box 1144A, Hardin, MT 59304. Northwest ¼ of Section 12, Township 1 South, Range 33 East, in Big Horn County, Montana

Responsible Official: Martin J. Wenzel Phone: (303) 607-5610

Facility Contact Person: Steve Finley Phone: (303) 607-5576

Primary SIC Code: 4911

Nature of Business: Coal-Fired Electrical Power Generation

Description of Process: RMP operates a nominal 116-gross megawatt (MW) coal-fired electrical power generation facility approximately 1.2 miles northeast of Hardin, Montana. The facility consists of a pulverized coal-fired boiler (PC-Boiler) and a steam turbine, which drives a 135 MVA class nameplate electric generator to produce a nominal 116-gross MW of electric power (approximately 11-MW of the power produced is used for plant auxiliary power). Other equipment includes a cooling tower, a temporary auxiliary boiler, and associated material handling and storage systems for coal, lime, and ash.

SECTION II. SUMMARY OF EMISSION UNITS

The emission units regulated by this permit are the following (ARM 17.8.1211):

Emissions Unit ID	Description	Pollution Control Device/Practice
EU001	Pulverized Coal Wall-Fired Boiler (1304 MMBtu/hr) (PC-Boiler)	Selective Catalytic Reduction (SCR), Spray Dry Absorber (SDA), Low-Sulfur Coal, Fabric Filter Baghouse (FFB), Activated Carbon Injection (ACI) or equivalent
EU002	Coal Processing, Milling, Transfer, Storage, and Handling Operations	Baghouse(s)
EU003	Lime and Ash Material Transfer and Handling Operations	Baghouse(s) & Bin Vent(s)
EU004	Cooling Tower	Mist Eliminator
EU005	Temporary Auxiliary Boiler (11.8 MMBtu/hr)	Low-Sulfur Fuel Oil
EU006	Fugitive Emissions: Haul Roads/Vehicle Traffic	Chemical Dust Suppressant and/or Non-Oily and Non-Hazardous Water Treatment

SECTION III. PERMIT CONDITIONS

The following requirements and conditions are applicable to the facility or to specific emission units located at the facility (ARM 17.8.1211, 1212, and 1213).

A. Facility-Wide

Conditions	Rule Citation	Rule Description	Pollutant/Parameter	Limit
A.1	ARM 17.8.105	Testing Requirements	Testing Requirements	-------
A.2	ARM 17.8.304(1)	Visible Air Contaminants	Opacity	40%
A.3	ARM 17.8.304(2)	Visible Air Contaminants	Opacity	20%
A.4	ARM 17.8.308(1)	Particulate Matter, Airborne	Fugitive Opacity	20%
A.5	ARM 17.8.308(2)	Particulate Matter, Airborne	Reasonable Precautions	-------
A.6	ARM 17.8.308	Particulate Matter, Airborne	Reasonable Precaution, Construction	20%
A.7	ARM 17.8.309	Particulate Matter, Fuel Burning Equipment	Particulate Matter	$E= 0.882 * H^{-0.1664}$ Or $E= 1.026 * H^{-0.233}$
A.8	ARM 17.8.310	Particulate Matter, Industrial Processes	Particulate Matter	$E= 4.10 * P^{0.67}$ or $E= 55 * P^{0.11}- 40$
A.9	ARM 17.8.322(4)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (liquid or solid fuels)	1 lb/MMBtu fired
A.10	ARM 17.8.322(5)	Sulfur Oxide Emissions, Sulfur in Fuel	Sulfur in Fuel (gaseous)	50 gr/100 CF
A.11	ARM 17.8.324(3)	Hydrocarbon Emissions, Petroleum Products	Gasoline Storage Tanks	-------
A.12	ARM 17.8.324	Hydrocarbon Emissions, Petroleum Products	65,000 Gallon Capacity	-------
A.13	ARM 17.8.324	Hydrocarbon Emissions, Petroleum Products	Oil-effluent Water Separator	-------
A.14	ARM 17.8.342	NESHAPs General Provisions	SSM Plans	Submittal
A.15	ARM 17.8.1212	Reporting Requirements	Compliance Monitoring	-------
A.16	ARM 17.8.1207	Reporting Requirements	Annual Certification	-------

Conditions

A.1. Pursuant to ARM 17.8.105, any person or persons responsible for the emission of any air contaminant into the outdoor atmosphere shall, upon written request of the Department, provide the facilities and necessary equipment (including instruments and sensing devices) and shall conduct test, emission or ambient, for such periods of time as may be necessary using methods approved by the Department.

Compliance demonstration frequencies that list "as required by the Department" refer to ARM 17.8.105. In addition, for such sources, compliance with limits and conditions listing "as required by the Department" as the frequency, is verified annually using emission factors and engineering calculations by the Department's compliance inspectors during the annual emission inventory review; in the case of Method 9 tests, compliance is monitored during the regular inspection by the compliance inspector.

A.2. Pursuant to ARM 17.8.304(1), RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibit an opacity of 40% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit.

A.3 Pursuant to ARM 17.8.304(2), RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit.

A.4. Pursuant to ARM 17.8.308(1), RMP shall not cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of particulate matter are taken. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit.

A.5. Pursuant to ARM 17.8.308(2), RMP shall not cause or authorize the use of haul roads, access roads, parking lots, or general plant property without taking reasonable precautions to control emissions of airborne particulate matter, unless otherwise specified by rule or in this permit.

A.6. Pursuant to ARM 17.8.308, RMP shall not operate a construction site or demolition project unless reasonable precautions are taken to control emissions of airborne particulate matter. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit.

A.7. Pursuant to ARM 17.8.309, unless otherwise specified by rule or in this permit, RMP shall not cause or authorize particulate matter caused by the combustion of fuel to be discharged from any stack or chimney into the outdoor atmosphere in excess of the maximum allowable emissions of particulate matter for existing fuel burning equipment and new fuel burning equipment calculated using the following equations:

For existing fuel burning equipment (installed before November 23, 1968): $E = 0.882 * H^{-0.1664}$

For new fuel burning equipment (installed on or after November 23, 1968): $E = 1.026 * H^{-0.233}$

Where H is the heat input capacity in million BTU (MMBtu) per hour and E is the maximum allowable particulate emissions rate in pounds per MMBtu (lb/MMBtu).

A.8. Pursuant to ARM 17.8.310, unless otherwise specified by rule or in this permit, RMP shall not cause or authorize particulate matter to be discharged from any operation, process, or activity into the outdoor atmosphere in excess of the maximum hourly allowable emissions of particulate matter calculated using the following equations:

For process weight rates up to 30 tons per hour:	$E = 4.10 * P^{0.67}$
For process weight rates in excess of 30 tons per hour:	$E = 55.0 * P^{0.11} - 40$

Where E = rate of emissions in pounds per hour and p = process weight rate in tons per hour.

A.9. Pursuant to ARM 17.8.322(4), RMP shall not burn liquid or solid fuels containing sulfur in excess of 1 pound per MMBtu fired, unless otherwise specified by rule or in this permit.

A.10. Pursuant to ARM 17.8.322(5), RMP shall not burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions, unless otherwise specified by rule or in this permit.

A.11. Pursuant to ARM 17.8.324(3), RMP shall not load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device or is a pressure tank as described in ARM 17.8.324(1), unless otherwise specified by rule or in this permit.

A.12. Pursuant to ARM 17.8.324, unless otherwise specified by rule or in this permit, RMP shall not place, store or hold in any stationary tank, reservoir or other container of more than 65,000 gallon capacity any crude oil, gasoline or petroleum distillate having a vapor pressure of 2.5 pounds per square inch absolute or greater under actual storage conditions, unless such tank, reservoir or other container is a pressure tank maintaining working pressure sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere, or is designed and equipped with a vapor loss control device, properly installed, in good working order and in operation.

A.13. Pursuant to ARM 17.8.324, unless otherwise specified by rule or in this permit, RMP shall not use any compartment of any single or multiple-compartment oil-effluent water separator, which compartment receives effluent water containing 200 gallons a day or more of any petroleum product from any equipment processing, refining, treating, storing or handling kerosene or other petroleum product of equal or greater volatility than kerosene, unless such compartment is equipped with a vapor loss control device, constructed so as to prevent emission of hydrocarbon vapors to the atmosphere, properly installed, in good working order and in operation.

A.14. Pursuant to ARM 17.8.342 and 40 CFR 63.6, RMP shall submit to the Department a copy of any startup, shutdown, and malfunction (SSM) plan required under 40 CFR 63.6(e)(3) within 30 days of the effective date of this operating permit (if not previously submitted), within 30 days of the compliance date of any new National Emission Standard for Hazardous Air Pollutants (NESHAPs) or Maximum Achievable Control Technology (MACT) standard, and within 30 days of the revision of any such SSM plan, when applicable. The Department requests submittal of such plans in electronic form, when possible.

A.15. On or before February 15 and August 15 of each year, RMP shall submit to the Department the compliance monitoring reports required by Section V.D. These reports must contain all information required by Section V.D, as well as the information required by each individual emissions unit. For the reports due by February 15 of each year, RMP may submit a single report, provided that it contains all the information required by Section V.B & V.D. Per ARM 17.8.1207,

> *any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12 (including semiannual monitoring reports), shall contain certification by a responsible official of truth, accuracy and completeness. This certification and any other certification required under ARM Title 17, Chapter 8, Subchapter 12, shall state that,* ***"based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete."***

A.16. By February 15 of each year, RMP shall submit to the Department the compliance certification required by Section V.B. The annual certification required by Section V.B must include a statement of compliance based on the information available which identifies any observed, documented or otherwise known instance of noncompliance for each applicable requirement. Per ARM 17.8.1207,

> *any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12 (including annual certifications), shall contain certification by a responsible official of truth, accuracy and completeness. This certification and any other certification required under ARM Title 17, Chapter 8, Subchapter 12, shall state that,* ***"based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete."***

B. EU001: Pulverized Coal Wall-Fired Boiler (1,304 MMBtu/hr)

Section III.B.I: Pulverized Coal Wall-Fired Boiler (PC-Boiler) Startup, Shutdown, and Atomizer Change-out Provisions					
Condition(s)	**Pollutant/Parameter**	**Permit Limit**	**Compliance Demonstration Method**	**Frequency**	**Reporting Requirements**
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14, B.I.12, B.I.13	Startup, Shutdown and SDA Atomizer Change-out Operations	Conducted as described in Appendix F	Recordkeeping	On-going	Semiannual
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14	Startup Operations Timeframe	Coal flow is detected Output is ≥ 79 MW	DAHS	On-going	
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14	Shutdown Operations Timeframe	Coal flow is no longer detected Output is < 79 MW	DAHS	On-going	
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14	SDA Atomizer Change-out Period	Starts when operation of the SDA is suspended Ends when atomizer is replaced and SDA resumes operation	Recordkeeping	On-going	
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14	Startup, Shutdown and SDA Atomizer Change-out and Baghouse (FFB) Operations	Operational during all startup and shutdown events as described in Appendix F	Recordkeeping	On-going	
B.I.3, B.I.4, B.I.5, B.I.6, B.I.8, B.I.10, B.I.11, B.I.14, B.I.15	SO_2 Control Equipment	Control efficiency maintained at a minimum of 90% 30 day rolling average	Recordkeeping	On-going/as required by the Department	
B.I.1, B.I.2, B.I.3, B.I.7, B.I.8, B.I.9, B.I.10, B.I.14	Applicable Equipment Operation	Good Air Pollution Control Practices to Minimize Emissions	Recordkeeping	On-going	
B.I.3, B.I.4, B.I.5, B.I.6, B.I.8, B.I.10, B.I.11, B.I.14, B.I.15	Startup, Shutdown and SDA Atomizer Change-out and SO_2 Emissions	Shall not exceed 182.6 lb/hr for more than 6 hours during any rolling 24-hour time period	SO_2 CEMS	On-going	
B.I.3, B.I.4, B.I.5, B.I.6, B.I.8, B.I.10, B.I.11, B.I.14, B.I.15	Startup, Shutdown and SDA Atomizer Change-out and SO_2 Emissions	1465 lb/hr 1-hour average	SO_2 CEMS	On-going	
B.I.3, B.I.4, B.I.5, B.I.6, B.I.8, B.I.10, B.I.11, B.I.14, B.I.15	Startup, Shutdown and SDA Atomizer Change-out and SO_2 Emissions	990 lb/hr 3-hour average	SO_2 CEMS	On-going	
B.I.1, B.I.2, B.I.7, B.I.10, B.I.14	Startup, Shutdown and SDA Atomizer Change-out Documentation	Documentation of Each Startup, Shutdown and Atomizer Change-out	Recordkeeping	Each Event	

Conditions

B.I.1. The requirements contained in Section III.B.I. shall apply during PC-Boiler startup and shutdown and SDA atomizer change-out operations. PC-Boiler startup and shutdown, and SDA atomizer change-out operations shall be conducted as described in the *PC-Boiler Start-up and Shutdown, and SDA atomizer change-out Procedures* included in Appendix F; or according to another PC-Boiler startup and shutdown, and SDA atomizer change-out plan as may be approved by the Department in writing (ARM 17.8.749).

B.I.2. For conditions that refer to PC-Boiler startup and shutdown, and SDA atomizer change-outs, the following conditions apply (ARM 17.8.749):

a. PC-Boiler startup periods begin when coal flow is detected in the PC-Boiler by the data acquisition and handling system (DAHS) and end when gross generator output is equal to 79 gross megawatts (MW).

b. PC-Boiler shutdown periods begin when gross generator output is less than 79 MW and end when coal flow is no longer detected in the PC-Boiler by the DAHS.

c. If a PC-Boiler shutdown procedure is aborted, the PC-Boiler is in startup until the gross generator output is equal to 79 MW.

d. SDA atomizer change-out periods begin when operation of the SDA is suspended for the purpose of replacing an atomizer and end when operation of the SDA is resumed after replacing an atomizer.

B.I.3. During PC-Boiler startup and shutdown, and SDA atomizer change-out operations, as defined in III.B.I.2., SO_2, hydrochloric acid (HCl), hydrofluoric acid (HF), and sulfuric acid (H_2SO_4) mist emissions for the PC-Boiler stack shall be controlled by implementing proper work practices (ARM 17.8.752).

B.I.4. During PC-Boiler startup and shutdown, and SDA atomizer change-out operations, as defined in III.B.I.2., SO_2 emissions shall not exceed 182.6 lb/hr for more than 6-hours during any rolling 24-hour time period (ARM 17.8.749 and ARM 17.8.752).

B.I.5. During PC-Boiler startup and shutdown, and SDA atomizer change-out operations, as defined in III.B.I.2, SO_2 emissions from the PC-Boiler stack shall not exceed 1465 lb/hr based on a 1-hour average (ARM 17.8.752).

B.I.6. During PC-Boiler startup and shutdown, and SDA atomizer change-out operations, as defined in III.B.I.2, SO_2 emissions from the PC-Boiler stack shall not exceed 990 lb/hr based on a 3-hour rolling average (ARM 17.8.749).

Compliance Demonstration

B.I.7. Monitoring compliance with PC-Boiler start-up and shutdown, and SDA atomizer change-out Procedures contained in Appendix F shall be accomplished through recordkeeping (ARM 17.8.1213).

B.I.8. RMP shall monitor compliance with the PC-Boiler start-up and shutdown, and SDA atomizer change-out SO_2 emission limits in III.B.I.4, III.B.I.5, and III.B.I.6 through on-going operation of the SO_2 Continuous Emission Monitoring System (CEMS).

Recordkeeping

B.I.9. All source test recordkeeping shall be performed in accordance with the test method used, and shall be maintained on site. The reports must be submitted to the Department in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.1212).

B.I.10. RMP shall document any deviations from Appendix F by day, date, and time. RMP shall document all hours that the PC-Boiler is in startup and shutdown and all hours that the SDA is in atomizer change-out during which SO_2 emissions exceed the limitations in III.B.I.4, III.B.I.5, or III.B.I.6. This information shall be submitted along with any quarterly excess emissions reports (ARM 17.8.749).

B.I.11. RMP shall document, by day, date and time, all SO_2 excess emissions as defined in III.B.I.4, III.B.I.5, and III.B.I.6 for each rolling 24-hour time period (ARM 17.8.749).

Reporting

B.I.12. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

B.I.13. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

B.I.14. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of results of any source testing that was performed during that semiannual period; and

b. A summary of documentation required in III.B.I.10 and III.B.I.11, including a summary of hours the PC-Boiler is in start-up and shutdown and SDA atomizer change-out as defined in III.B.I.2.

B.I.15. RMP shall report quarterly all SO_2 excess emissions as defined in III.B.I.4, III.B.I.5, and III.B.6 for each rolling 24-hour time period (ARM 17.8.749).

Section III.B.II: PC-Boiler Operational Conditions					
Condition(s)	**Pollutant/Parameter**	**Permit Limit**	**Compliance Demonstration Method**	**Frequency**	**Reporting Requirements**
B.II.1, B.II.23, B.II.41, B.II.43, B.II.47, B.II.48, B.II.49, B.II.51, B.II.54, B.II.55, B.II.56, B.II.57	Opacity	20% / 27%	COMS	Ongoing	Semiannual
B.II.2, B.II.23, B.II.28, B.II.41, B.II.42, B.II.49, B.II.51, B.II.54, B.II.55, B.II.56, B.II.57	CO	0.15 lb/MMBtu Proper Design and Combustion	CO CEMS/ Method 10	Ongoing	
B.II.3, B.II.23, B.II.29, B.II.41, B.II.42, B.II.48, B.II.49, B.II.51, B.II.54, B.II.55, B.II.56, B.II.57	NO_x	SCR 0.09 lb/MMBtu per 30-day rolling average	NO_x CEMS/ Method 7	Ongoing	
B.II.4, B.II.5, B.II.30, B.II.41,	SO_2	FGD/SDA	SO_2 CEMS/ Method 6	Ongoing	Semiannual

B.II.42, B.II.48, B.II.49, B.II.54, B.II.55, B.II.56, B.II.57		182.6 lb/hr based on a 1-hour average			
B.II.6, B.II.23, B.II.30, B.II.41, B.II.42, B.II.48, B.II.49, B.II.51, B.II.54, B.II.55, B.II.56, B.II.57	SO_2	0.11 lb/MMBtu on a 30-day rolling average	SO_2 CEMS	Ongoing	
		Minimum 90% control efficiency on a 30-day rolling average	Measured according to 40 CFR 60.49Da(b)		
B.II.8, B.II.9, B.II.31, B.II.38, B.II.39, B.II.40, B.II.43, B.II.47, B.II.48, B.II.54, B.II.55, B.II.56,	PM/PM_{10}	0.012 lb/MMBtu (Filterable)	Methods 5 and 201A concurrently, or other methods approved by the Department	Every 5 Years	
B.II.8, B.II.10, B.II.31, B.II.38, B.II.39, B.II.40, B.II.48, B.II.23, B.II.49, B.II.55, B.II.56,	PM/PM_{10}	FFB	Methods 201A and 202, or other methods approved by the Department	Every 5 Years	
		0.024 lb/MMBtu (Filterable and Condensable)			
B.II.11, B.II.32, B.II.38, B.II.39, B.II.48, B.II.54, B.II.55, B.II.56,	VOC	0.0034 lb/MMBtu	Method 18 and/or Method 25	As Required by the Department and Section III.A.1	
B.II.12, B.II.33, B.II.38, B.II.39, B.II.48, B.II.54, B.II.55, B.II.56,	HCl	FGD/SDA	Method 26A	Every 5 Years	
		1.54 lb/hr (0.00118 lb/MMBtu) based on 1-hr average			
B.II.13, B.II.33, B.II.38, B.II.39, B.II.48, B.II.54, B.II.55, B.II.56,	HF	FGD/SDA	Method 26A	Every 5 Years	
		0.67 lb/hr (0.00051 lb/MMBtu) based on 1-hr average			
B.II.14, B.II.34, B.II.38, B.II.39, B.II.54, B.II.55, B.II.56	H_2SO_4	FGD/SDA	Method 8	Every 5 Years	
		8.2 lb/hr (0.0063 lb/MMBtu) based on 1-hr average			
B.II.15, B.II.36, B.II.37, B.II.38, B.II.39, B.II.50, B.II.54, B.II.55, B.II.56	Hg Demonstration Period	Availability as Hg Testing Facility	Operate Equipment and Control Equipment to Demonstrate Hg Control Capability/ Performance Source Test	Ongoing / Initial Source Testing	
		Installation of Carbon Injection or Equivalent Technology			
B.II.16, B.II.36, B.II.37, B.II.38, B.II.39, B.II.50, B.II.54, B.II.55, B.II.56	Hg Optimization Period	Optimize Installed Control Equipment Performance	Hg Continuous Monitoring Method	Ongoing	
		Submit Application for Hg Emission Limit		Not later than 18 months following Hg Demonstration Period	

B.II.8, B.II.9, B.II.10, B.II.17, B.II.31, B.II.38, B.II.39, B.II.40, B.II.43, B.II.47, B.II.48, B.II.49, B.II.54, B.II.55, B.II.56	Radionuclides	FFB PM/PM_{10} Surrogate	Methods 5, 201A, and/or 202 or other methods approved by the Department (PM/PM_{10} Surrogate)	Every 5 Years (PM/PM_{10} Surrogate)	Semiannual
B.II.8, B.II.9, B.II.10, B.II.18, B.II.31, B.II.38, B.II.39, B.II.40, B.II.43, B.II.47, B.II.48, B.II.49 B.II.54, B.II.55, B.II.56	Trace Metals	FFB PM/PM_{10} Surrogate	Methods 5, 201A, and/or 202 or other methods approved the Department (PM/PM_{10} Surrogate)	Every 5 Years (PM/PM_{10} Surrogate)	
B.II.19, B.II.39, B.II.48, B.II.50, B.II.54, B.II.55, B.II.56	Coal Heating Value	≥ 8000 Btu/lb based on a monthly average	Recordkeeping	Coal Shipment From Each Supplier	
B.II.20, B.II.38, B.II.48, B.II.50, B.II.54, B.II.55, B.II.56	PC-Boiler Heat Input Limit	11,423,040 MMBtu/yr	Recordkeeping	Ongoing	Annually
B.II.21, B.II.39, B.II.48, B.II.50, B.II.54, B.II.55, B.II.56	Coal Sulfur Content	≤ 1% S by Weight based on monthly average	Recordkeeping	Ongoing	Semiannual
B.II.22, B.II.40, B.II.48, B.II.50, B.II.54, B.II.55, B.II.56	PC-Boiler Stack Height	≥ 250 Feet Tall	Certification	Ongoing	Annually
B.II.23, B.II.27, B.II.28, B.II.29, B.II.30, B.II.41, B.II.42, B.II.43, B.II.47, B.II.49, B.II.55, B.II.56	CEMS/COMS	SO_2 CEMS; SO_2 Flow Monitor; NO_x CEMS; COMS; O_2/CO_2 CEMS	Install, Operate and Maintain	Ongoing	Semiannual
B.II.23, B.II.24, B.II.42, B.II.44, B.II.49, B.II.51, B.II.54 B.II.55, B.II.56,	CO_2 Emissions	Emission Determination	40 CFR 75.10	As Applicable	
B.II.1, B.II.19, B.II.20, B.II.21, B.II.22, B.II.23, B.II.25, B.II.27, B.II.28, B.II.29, B.II.30, B.II.41, B.II.42, B.II.43, B.II.45, B.II.47, B.II.51, B.II.52, B.II.55, B.II.56, B.II.57	40 CFR 60, Subpart Da	40 CFR 60, Subpart Da	40 CFR 60, Subpart Da	40 CFR 60, Subpart Da	
B.II.26, B.II.46, B.II.51, B.II.53, B.II.55, B.II.56, B.II.57	40 CFR 72-78	40 CFR 72-78	40 CFR 72-78	40 CFR 72-78	

Conditions

B.II.1. RMP shall not cause or authorize to be discharged into the atmosphere from the FFB controlling emissions from the PC-Boiler any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity (ARM 17.8.340 and 40 CFR 60.42a(b), Subpart Da).

B.II.2. Carbon monoxide (CO) emissions from the PC-Boiler shall be controlled by proper design and combustion. CO emissions from the PC-Boiler stack shall not exceed 0.15 lb/MMBtu (ARM 17.8.752).

B.II.3. Oxides of nitrogen (NO_x) emissions from the PC-Boiler shall be controlled by selective catalytic reduction (SCR). NO_x emissions from the PC-Boiler stack shall not exceed 0.09 lb/MMBtu based on a 30-day rolling average (ARM 17.8.752).

B.II.4. Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs, as defined in Section III.B.I.2., SO_2 emissions from the PC-Boiler stack shall be controlled with the use of a dry flue gas desulfurization (FGD) system, specifically characterized as an SDA (ARM 17.8.752).

B.II.5. Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-out as defined in III.B.I.2, SO_2 emissions from the PC-Boiler stack shall not exceed 182.6 lb/hr based on a 1-hour average (ARM 17.8.749 and ARM 17.8.752).

B.II.6. SO_2 emissions from the PC-Boiler stack shall not exceed 0.11 lb/MMBtu based on a 30-day rolling average (ARM 17.8.752).

B.II.7. The control efficiency for the SO_2 emission control equipment shall be maintained at a minimum of 90% based on a 30-day rolling average (as measured according to 40 CFR 60.49 Da(b)) (ARM 17.8.752).

B.II.8. Particulate Matter (PM)/PM with an aerodynamic diameter of 10 microns or less (PM_{10}) emissions from the PC-Boiler shall be controlled with the use of a fabric filter baghouse (FFB) while coal is being combusted in the PC-Boiler (ARM 17.8.752).

B.II.9. PM/PM_{10} emissions from the PC-Boiler stack shall not exceed 0.012 lb/MMBtu (filterable) (ARM 17.8.752).

B.II.10. PM/PM_{10} emissions from the PC-Boiler stack shall not exceed 0.024 lb/MMBtu (filterable and condensable) (ARM 17.8.752).

B.II.11. Volatile organic compounds (VOC) emissions from the PC-Boiler shall be controlled by good combustion practices. VOC emissions from the PC-Boiler stack shall not exceed 0.0034 lb/MMBtu (ARM 17.8.752).

B.II.12. Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-out as defined in III.B.I.2, HCl emissions from the PC-Boiler shall be controlled with the use of the dry FGD/SDA (ARM 17.8.752). Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs as defined in III.B.I.2, HCl emissions from the PC-Boiler stack shall not exceed 1.54 lb/hr (0.00118 lb/MMBtu) based on a 1-hour average (ARM 17.8.749).

B.II.13. Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs as defined in III.B.I.2, HF emissions from the PC-Boiler shall be controlled with the use of the dry FGD/SDA (ARM 17.8.752). Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs as defined in III.B.I.2, HF emissions from the PC-Boiler stack shall not exceed 0.67 lb/hr (0.00051 lb/MMBtu) based on a 1-hour average (ARM 17.8.749).

B.II.14. Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs as defined in III.B.I.2, H_2SO_4 mist emissions from the PC-Boiler shall be controlled by the use of dry FGD/SDA (ARM 17.8.752). Except during periods of PC-Boiler startup and shutdown, and SDA atomizer change-outs as defined in III.B.I.2, H_2SO_4 emissions shall not exceed 8.2 lb/hr (0.0063 lb/MMBtu) based on a 1-hour average (ARM 17.8.752).

B.II.15. For the 36 months following commencement of commercial operations ("Mercury (Hg) Demonstration Period"), the RMP Hardin facility will be available as a testing facility for Hg control. During the Hg Demonstration Period, RMP will operate equipment and control equipment at the Hardin facility in a manner that demonstrates the capabilities of Hg emission control. Prior to the completion of the Hg Demonstration Period, RMP shall install and operate an activated carbon injection control system or, at RMP's request and as approved by the Department, an equivalent technology (equivalent in removal efficiency) ("Installed Technology") (BER order signed May 6, 2005).

B.II.16. Within the 18 months following the completion of the Hg Demonstration Period, RMP shall operate the Installed Technology to optimize the Installed Technology's performance for Hg emission reduction ("Hg Optimization Period"). Not later than 18 months after the completion Best Available Control Technology (BACT) of the Hg Demonstration Period, RMP shall submit to the Department an application for an Hg BACT emission limit for the Installed Technology, which will utilize the Installed Technology as the base technology. If the Department determines the application to be deficient or incomplete, RMP shall submit information responsive to any noted deficiencies within a reasonable time period (BER order signed May 6, 2005).

B.II.17. The emissions of radionuclides from the PC-Boiler shall be controlled by an FFB. The PC-Boiler's PM/PM_{10} emission limit, as defined in III.B.II.9 and III.B.II.10, shall be used as a surrogate emission limit for radionuclides (ARM 17.8.752).

B.II.18. The emissions of trace metals from the PC-Boiler shall be controlled by an FFB. The PC-Boiler's PM/PM_{10} emission limit, as defined in III.B.II.9 and III.B.II.10, shall be used as a surrogate emission limit for trace metals (ARM 17.8.752).

B.II.19. Coal fired in the PC-Boiler shall have a minimum heating value of 8000 British thermal unit (Btu) Btu/lb calculated on a monthly average (ARM 17.8.749).

B.II.20. The annual heat input to the PC-Boiler shall not exceed 11,423,040 MMBtu per rolling 12-month time period (ARM 17.8.749).

B.II.21. The sulfur content of any coal fired at RMP shall not exceed 1% by weight calculated on a monthly average (ARM 17.8.749).

B.II.22. The PC-Boiler stack shall stand no less than 250 feet above ground level (ARM 17.8.749).

B.II.23. RMP shall install, operate, calibrate, and maintain CEMS for the following:

a. A CEMS for the measurement of SO_2 shall be operated on the PC-Boiler stack (ARM 17.8.749 and 40 CFR 72-78).

b. A flow monitoring system to complement the SO_2 monitoring system shall be operated on the PC-Boiler stack (40 CFR 72-78).

c. A CEMS for the measurement of NO_x shall be operated on the PC-Boiler stack (ARM 17.8.749 and 40 CFR 72-78).

d. A Continuous Opacity Monitoring System (COMS) for the measurement of opacity shall be operated on the PC-Boiler stack (ARM 17.8.749 and 40 CFR 72-78).

e. A CEMS for the measurement of oxygen (O_2) or carbon dioxide (CO_2) content shall be operated on the PC-Boiler stack (ARM 17.8.749).

B.II.24. RMP shall determine CO_2 emissions from the PC-Boiler stack by one of the methods listed in 40 CFR 75.10 (40 CFR 72-78).

B.II.25. RMP shall comply with all applicable standards and limitations, and the reporting, monitoring, recordkeeping, testing, and notification requirements contained in 40 CFR 60, Subpart Da (ARM 17.8.340 and 40 CFR 60, Subpart Da).

B.II.26. RMP shall comply with all applicable standards and limitations, and the reporting, recordkeeping, and notification requirements of the Acid Rain Program contained in 40 CFR 72-78 (40 CFR 72-78).

Compliance Demonstration

B.II.27. RMP shall use the data from the COMS to monitor compliance with the opacity limit contained in Section III.B.II.1 for the PC-Boiler (ARM 17.8.1213, ARM 17.8.340, and 40 CFR 60, Subpart Da).

B.II.28. On or before July 1, 2009, RMP shall install, calibrate, certify, operate, and maintain the CO CEMS to monitor compliance with the applicable boiler CO emission limits in III.B.II.2 (ARM 17.8.1213).

B.II.29. RMP shall use the data from the NO_x CEMS to monitor compliance with the PC-Boiler NO_x emission limits contained in Section III.B.II.3 for the PC-Boiler (ARM 17.8.749).

B.II.30. RMP shall use the data from the SO_2 CEMS to monitor compliance with the PC-Boiler SO_2 emission limits contained in Sections III.B.II.5, III.B.II.6, and III.B.II.7 (ARM 17.8.749).

B.II.31. RMP shall perform Method 5, Method 201A, and Method 202 performance tests (Method 5 and 202 concurrently for total filterable/condensable PM, and Methods 201A and 202 for PM_{10} filterable/condensable), or another method as may be approved by the Department to monitor compliance with the PM/PM_{10} emission limits contained in Sections III.B.II.9 and III.B.II.10. PM/PM_{10} shall also be used as surrogate testing for emission limits contained in III.B.II.17 and III.B.II.18 for radionuclides and trace metals. The testing shall continue on an every 5-year basis, or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and 17.8.749).

B.II.32. As required by the Department and Section III.A.1, RMP shall perform Method 18 and/or Method 25 tests on the PC-Boiler to monitor compliance with the VOC emissions limit in Section III.B.II.11 (ARM 17.8.1213).

B.II.33. RMP shall perform a Method 26A performance test on the PC-Boiler within 180 days of initial start-up of the PC-Boiler, or according to another testing/monitoring schedule/demonstration as may be approved by the Department, to monitor compliance with the HCl and HF emission limits contained in Section III.B.II.12 and III.B.II.13. The testing shall continue on an every 5-year basis, or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and 17.8.749).

B.II.34. RMP shall perform a Method 8 performance test on the PC-Boiler within 180 days of initial start-up of the PC-Boiler, or according to another testing/monitoring schedule/demonstration as may be approved by the Department, to monitor compliance with the H_2SO_4 limit contained in Section III.B.II.14. The testing shall continue on an every 5-year basis, or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and ARM 17.8.749).

B.II.35. RMP shall test the PC-Boiler for Hg, using a method approved by the Department, within 180 days of initial start-up of the PC-Boiler, or according to another testing/monitoring schedule as may be approved by the Department. The testing shall continue on an annual basis, or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and ARM 17.8.749).

B.II.36. RMP shall propose and implement an Hg compliance monitoring plan approved by the Department that directly monitors Hg compliance on a continuous basis by the end of the Hg demonstration period (ARM 17.8.1213 and BER order signed May 6, 2005).

B.II.37. RMP shall maintain a log/documentation that includes information regarding the Hg emission control results from various equipment and control technology during the Hg Demonstration Period as well as Hg emission control optimization results during the Hg Optimization Period. RMP shall notify the Department of any delays associated with the timeframes laid out in Sections III.B.II.15 and III.B.II.16 (ARM 17.8.1213).

B.II.38. RMP shall document, by month, the total heat input for the PC-Boiler. Within 30 days following the end of each month, RMP shall calculate the total heat input for the previous month. The monthly information will be used to verify compliance with the rolling 12-month limitation in Section III.B.II.20. The information for each of the previous months shall be submitted along with the annual emission inventory (ARM 17.8.749).

B.II.39. RMP shall obtain written coal analyses that are representative of all coal received from each coal supplier. A daily sample (or samples, if necessary, with amounts used of each type, as appropriate) representing all coal received for that day shall be analyzed for, at a minimum, sulfur content, ash content, and British thermal unit value (Btu/lb). A monthly composite sample representing all coal received during the month will be analyzed for, at a minimum, mercury, chlorine, and fluorine content (ARM 17.8.749).

B.II.40. The PC-Boiler stack height requirement in Section III.B.II.22 shall be accomplished through initial certification and normal operations maintaining compliance on an on-going basis (ARM 17.8.1213).

B.II.41. All continuous monitors required by this permit and by 40 CFR Part 60 shall be maintained and operated, excess emissions reported, and performance tests conducted in accordance with the requirements of 40 CFR Part 60, Subpart A; 40 CFR Part 60, Subpart Da; 40 CFR Part 60, Appendix B (Performance Specifications #1, #2, #3, and #4 and/or #4a and #4B); and 40 CFR Part 72-78, as applicable (ARM 17.8.749 and 40 CFR 72-78).

B.II.42. On-going quality assurance requirements for the gas CEMS must conform to 40 CFR Part 60, Appendix F and 40 CFR 75, Appendix B (ARM 17.8.749).

B.II.43. RMP shall inspect and audit the COMS annually, using neutral density filters. RMP shall conduct these audits using the applicable procedures and forms in the EPA Technical Assistance Document: Performance Audit Procedures for Opacity Monitors (EPA-450/4-92-010, April 1992). The results of these inspections and audits shall be included in the quarterly excess emission report (ARM 17.8.749).

B.II.44. RMP shall monitor the PC-Boiler for CO_2 emissions as specified in 40 CFR 75.10 (40 CFR 72-78).

B.II.45. Compliance monitoring for the applicable requirements contained in 40 CFR 60, Subpart Da shall be accomplished as described in 40 CFR 60, Subpart Da (ARM 17.8.340 and 40 CFR 60, Subpart Da).

B.II.46. Compliance monitoring for the applicable requirements contained in 40 CFR 72-78 shall be accomplished as described in 40 CFR 72-78 (40 CFR 72-78 and ARM 17.8.1213).

B.II.47. RMP shall document all results of the annual inspections and audits of the COMS. The results of these inspections and audits shall be included with the quarterly excess emissions report (ARM 17.8.749).

Recordkeeping

B.II.48. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

B.II.49. RMP shall maintain, on site, a record of all measurements from the COMS/CEMS as required in Section III.B.II.23 and the Hg monitoring method, approved by the Department, as required in Section III.B.II.36. All CEMS/COMS performance evaluations; all CEMS/COMS or monitoring device calibration checks and audits; and all adjustments and maintenance performed on these systems or devices shall be recorded in a permanent form suitable for inspection. The file shall be retained on site for at least 5 years following the date of such measurements and reports. RMP shall supply these records to the Department upon request (ARM 17.8.749 and ARM 17.8.1212).

B.II.50. RMP shall maintain records as required under Sections III.B.II.36, III.B.II.37, III.B.II.38, III.B.II.39 and III.B.II.40 that correspond to the conditions in Sections III.B.II.15, III.B.II.16, III.B.II.19, III.B.20, III.B.21 III.B.II.22, respectively (ARM 17.8.1212).

B.II.51 RMP shall document all excess emissions as defined in III.B.II.1, III.B.II.2, III.B.II.3, III.B.II.5, and III.B.II.6 (ARM 17.8.1212).

B.II.52. RMP shall perform recordkeeping in accordance with 40 CFR 60, Subpart Da, as applicable (ARM 17.8.340 and 40 CFR 60, Subpart Da).

B.II.53. RMP shall perform recordkeeping in accordance with 40 CFR 72-78, as applicable (40 CFR 72-78 and ARM 17.8.1212).

Reporting

B.II.54. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

B.II.55. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

B.II.56. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of results of any source testing that was performed during that semiannual period;

b. A summary of all required COMS and CEMS recordkeeping;

c. A summary of the SO_2 CEMS flow monitoring system data;

d. A summary of the data obtained from the CEMS for the measurement of oxygen (O_2) or carbon dioxide (CO_2) content;

e. A summary of the Hg Demonstration Period requirements, including, but not limited to, a summary of all equipment/Hg control equipment placed in operation during the period;

f. A summary of the Hg Optimization Period requirements;

g. A summary of the PC-Boiler heat input records;

h. A summary of all coal analysis including, but not limited to, a summary of the sulfur content value for all coal fired for PC-Boiler operations, and total weight of coal combusted, and a summary of the coal heating value for all coal fired for PC-Boiler operations;

i. A summary of compliance with the requirements of 40 CFR 60, Subpart Da, as applicable; and

j. A summary of compliance with the requirements of 40 CFR 72-78, as applicable.

B.II.57. RMP shall report quarterly all excess emissions as defined in III.B.I.1, III.B.I.2, III.B.I.3, III.B.I.5, and III.B.I.6 (ARM 17.8.1212).

C. EU002: Coal Processing, Milling, Transfer, Storage, and Handling Operations

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
C.1, C.7, C.12, C.13, C.16, C.17, C.18	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Visual Surveys	Weekly	
C.2, C.7, C.8, C.12, C.13, C.16, C.17, C.18	Particulate Matter – Coal Unloading Baghouse: RCF-BH-001	0.01 gr/dscf	Method 5	Every 5 Years	
			Visual Surveys	Weekly	
C.2, C.7, C.9, C.12, C.13, C.16, C.17, C.18	Particulate Matter – Coal Silo Baghouse: RCF-BH-002 and Coal Storage Bunkers Baghouse: RCF-BH-003	0.01 gr/dscf	Method 5	As Required by the Department and Section III.A.1	
			Visual Surveys	Weekly	
C.3, C.10, C.14, C.17, C.18	Fuel Transfer and Pulverizer: Enclosures	Install, Operate, and Maintain	Initial Certification & Normal Operations	Ongoing	
C.4, C.10, C.14, C.17, C.18	PC-Boiler Draft Pressure	Present for Fuel Transfer from Coal Pulverizers to the PC-Boiler	Initial Certification & Normal Operations	Ongoing	
C.5, C.10, C.14, C.17, C.18	On-Site Coal Storage	Coal Storage Silo	Initial Certification & Normal Operations	Ongoing	
C.6, C.11, C.15, C.17, C.18	Coal Processing	40 CFR 60, Subpart Y	40 CFR 60, Subpart Y	40 CFR 60, Subpart Y	

Conditions

C.1. RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit (ARM 17.8.304(2)).

C.2. PM/PM_{10} emissions from the following baghouses shall not exceed 0.01 grains/dscf (ARM 17.8.752):

a. Coal unloading baghouse: RCF-BH-001

b. Coal silo baghouse: RCF-BH-002

c. Coal storage bunkers baghouse: RCF-BH-003

C.3. RMP shall install and maintain enclosures surrounding the following process operations (ARM 17.8.752):

a. Coal Transfer:

i. Truck to below-grade hopper;
ii. Below-grade hopper to stockout conveyor;
iii. Coal storage silo to reclaim conveyor;
iv. Reclaim conveyor to bunker feed conveyor;
v. Bunker feed conveyor to coal bunkers;
vi. Coal bunkers to coal pulverizers

b. Coal Pulverizers

c. Fuel Transfer: Coal pulverizers to boiler

C.4. Draft pressure from the PC-Boiler shall be present to provide particulate control for fuel transfer from coal pulverizers to the PC-Boiler (ARM 17.8.752).

C.5. RMP shall store on-site coal in the coal storage silo (ARM 17.8.749).

C.6. RMP shall comply with all applicable standards and limitations, and the reporting, monitoring, recordkeeping, testing, and notification requirements contained in 40 CFR 60, Subpart Y (ARM 17.8.340 and 40 CFR 60, Subpart Y).

Compliance Demonstration

C.7. Compliance monitoring for the opacity limit for the coal unloading baghouse: RCF-BH-001, the coal silo baghouse: RCF-BH-002, and the coal storage bunkers baghouse: RCF-BH-003 shall be determined by a Method 9 performance source test(s) conducted as required by the Department and Section III.A.1.

In addition, RMP shall conduct a weekly visual survey of the visible emissions from the coal unloading baghouse: RCF-BH-001, the coal silo baghouse: RCF-BH-002, and the coal storage bunkers baghouse: RCF-BH-003. Once per calendar week during daylight hours, RMP shall visually survey emissions from the affected units for any sources of excessive emissions. For the purpose of this survey, excessive emissions are considered to be any visible emissions, which

meet or exceed 15% opacity. The person conducting the survey does not have to be an EPA Method 9 certified observer. However, the individual must have been certified as a Method 9 observer within the previous 2 years of the visual survey being performed. If sources of excessive emissions are identified, RMP shall immediately conduct a Method 9 or take corrective action to contain or minimize the source of emissions. If corrective actions are taken, then RMP shall immediately conduct a subsequent visual survey to monitor compliance. The person conducting the visual survey shall record the results of the survey in a log, including any corrective action taken. Conducting a visual survey does not relieve RMP of a liability for a violation determined using Method 9 (ARM 17.8.105 and ARM 17.8.1213).

C.8 Compliance monitoring for the PM/PM_{10} limits for the coal unloading baghouse: RCF-BH-001 shall be determined by a Method 5 performance source test conducted within 180 days following OP3185-00 becoming final and effective and every 5 years thereafter (ARM 17.8.105 and ARM 17.8.1213).

C.9. Compliance monitoring for the PM/PM_{10} limits for the coal silo baghouse: RCF-BH-002, and the coal storage bunkers baghouse: RCF-BH-003 shall be determined by a Method 5 performance source test(s) conducted as required by the Department and Section III.A.1 (ARM 17.8.105 and ARM 17.8.1213).

C.10. Compliance monitoring for the enclosures requirement for various process operations in Section III.C.3, the draft PC-Boiler pressure requirement in Section III.C.4, and the on-site storage of coal in the coal silo requirement in Section III.C.5 shall be accomplished through initial certification and normal operations maintaining compliance on an ongoing basis (ARM 17.8.1213).

C.11. Compliance monitoring for the applicable requirements contained in 40 CFR 60, Subpart Y shall be accomplished as described in 40 CFR 60, Subpart Y (ARM 17.8.340 and 40 CFR 60, Subpart Y).

Recordkeeping

C.12. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

C.13. RMP shall maintain on-site a log containing all visual observations monitoring compliance with the visual survey requirement(s). The log shall include, at a minimum, the required information, the date, the time, and the initials of the documenting personnel. The file shall be retained on site for at least 5 years following the date of such visual observations. RMP shall supply these records to the Department upon request (ARM 17.8.1212).

C.14. RMP shall maintain records of the initial certification required in Section III.C.10. RMP shall maintain on site a coal handling operations log documenting any enclosure usage, boiler back pressure, or coal storage circumstance which deviates from normal operations as specified in Sections III.C.3, III.C.4, and III.C.5. At a minimum, the coal handling operations log shall include the required information, the date, and the initials of the documenting personnel (ARM 17.8.1212).

C.15. RMP shall perform recordkeeping in accordance with 40 CFR 60, Subpart Y, as applicable (ARM 17.8.340 and 40 CFR 60, Subpart Y).

Reporting

C.16. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

C.17. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

C.18. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of results of any source testing that was performed during that semiannual period;

b. A summary of any entries in the coal handling operations log which deviate from normal operations; and

c. A summary of compliance with the requirements of 40 CFR 60, Subpart Y, as applicable.

D. EU003: Lime and Ash Material Transfer and Handling Operations

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
D.1, D.3, D.5, D.6, D.7, D.8, D.9	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
			Visual Surveys	Weekly	
D.2, D.3, D.4, D.5, D.6, D.7, D.8, D.9	Particulate Matter: Baghouses/Bin Vents	0.01 gr/dscf	Method 5	As Required by the Department and Section III.A.1	
			Visual Surveys	Weekly	

Conditions

D.1. RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit (ARM 17.8.304(2)).

D.2. PM/PM_{10} emissions from the following baghouses/bin vents shall not exceed 0.01 grains/dscf of particulate emissions (ARM 17.8.752):

SDA lime silo bin vent: FGT-BV-001
FGD ash silo bin vent: WMH-BV-002
Recycle ash silo bin vent: FGT-BV-002
Water treatment lime silo baghouse: RWS-BH-001
Soda ash silo baghouse: RWS-BH-002

Compliance Demonstration

D.3. Compliance monitoring for the opacity limit for the SDA lime silo bin vent: FGT-BV-001, the FGD ash silo bin vent: WMH-BV-002, the recycle ash silo bin vent: FGT-BV-002, the water treatment lime silo baghouse: RWS-BH-001, and the soda ash silo baghouse: RWS-BH-002 shall be determined by a Method 9 performance source test(s) conducted as required by the Department and Section III.A.1.

In addition, RMP shall conduct a weekly visual survey of the visible emissions from the SDA lime silo bin vent: FGT-BV-001, the FGD ash silo bin vent: WMH-BV-002, the recycle ash silo bin vent: FGT-BV-002, the water treatment lime silo baghouse: RWS-BH-001, and the soda ash silo baghouse: RWS-BH-002. Once per calendar week during daylight hours, RMP shall visually survey emissions from the affected units for any sources of excessive emissions. For the purpose of this survey, excessive emissions are considered to be any visible emissions, which meet or exceed 15% opacity. The person conducting the survey does not have to be an EPA Method 9 certified observer. However, the individual must have been certified as a Method 9 observer within the previous 2 years of the visual survey being performed. If sources of excessive emissions are identified, RMP shall immediately conduct a Method 9 or take corrective action to contain or minimize the source of emissions. If corrective actions are taken, then RMP shall immediately conduct a subsequent visual survey to monitor compliance. The person conducting the visual survey shall record the results of the survey in a log, including any corrective action taken. Conducting a visual survey does not relieve RMP of a liability for a violation determined using Method 9 (ARM 17.8.105 and ARM 17.8.1213).

D.4. Compliance monitoring for the PM/PM_{10} limits for the SDA lime silo bin vent: FGT-BV-001, the FGD ash silo bin vent: WMH-BV-002, the recycle ash silo bin vent: FGT-BV-002, the water treatment lime silo baghouse: RWS-BH-001, and the soda ash silo baghouse: RWS-BH-002 shall be determined by a Method 5 performance source test(s) conducted as required by the Department and Section III.A.1 (ARM 17.8.105 and ARM 17.8.1213).

Recordkeeping

D.5. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

D.6. RMP shall maintain on-site a log containing all visual observations monitoring compliance with the visual survey requirement(s). The log shall include, at a minimum, the required information, the date, the time, and the initials of the documenting personnel. The file shall be retained on site for at least 5 years following the date of such visual observations. RMP shall supply these records to the Department upon request (ARM 17.8.1212).

Reporting

D.7. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

D.8. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

D.9. The semiannual monitoring report shall provide a summary of results of any source testing that was performed during that semiannual period (ARM 17.8.1212):

E. EU004: Cooling Tower

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
E.1, E.3, E.5, E.7, E.8, E.9	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
E.2, E.4, E.6, E.8, E.9	PM_{10} Emissions	no more than 0.001% of Circulating Water Flow	Initial Certification and Recordkeeping	Ongoing	

Conditions

E.1. RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit (ARM 17.8.304(2)).

E.2. RMP shall operate and maintain a mist eliminator on the cooling tower that limits PM_{10} emissions to no more than 0.001% of circulating water flow (ARM 17.8.752).

Compliance Demonstration

E.3. As required by the Department and Section III.A.1, RMP shall perform a Method 9 test to monitor compliance with the opacity requirement in Section III.E.1 (ARM 17.8.1213).

E.4. Compliance monitoring for the mist eliminator PM_{10} specification in Section II.E.2 shall be accomplished through initial certification that the installed cooling tower meets that specification and normal operations as described by the manufacturer maintaining compliance on an ongoing basis (ARM 17.8.1213).

Recordkeeping

E.5. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

E.6. RMP shall maintain records of the initial certification required in Section III.E.4. RMP shall maintain a log documenting any cooling tower practices which deviate from normal operations as described by the manufacturer. At a minimum, the cooling tower log shall include the required information, the date, and the initials of the documenting personnel (ARM 17.8.1212).

Reporting

E.7. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

E.8. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

E.9. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of results of any source testing that was performed during that semiannual period; and

b. A summary of the cooling tower log describing any practices that deviate from normal operations.

F. EU004: Temporary Auxiliary Boiler (11.8 MMBtu/hr)

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
F.1, F.5, F.8, F.10, F.11, F.12	Opacity	20%	Method 9	As Required by the Department and Section III.A.1	Semiannual
F.2, F.6, F.9, F.11, F.12	Hours of Operation	1000 hours per rolling 12-month time period	Log	When in use	
F.3, F.7, F.9, F.11, F.12	Sulfur content of No. 2 fuel oil	≤ 0.05% Sulfur	Recordkeeping	When in use/when fuel is received	
F.4, F.6, F.9, F.11, F.12	Operations	Shall not operate while PC-Boiler is combusting coal	Log	When in use	

Conditions

F.1. RMP shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, unless otherwise specified by rule or in this permit (ARM 17.8.304(2)).

F.2. The operation of the temporary auxiliary boiler shall not exceed 1000 hours per rolling 12-month time period (ARM 17.8.749).

F.3. The sulfur content of the No. 2 fuel oil used in the temporary auxiliary boiler shall not exceed 0.05% sulfur (ARM 17.8.752).

F.4. RMP shall not operate the temporary auxiliary boiler while the PC-Boiler is combusting coal (ARM 17.8.749).

Compliance Demonstration

F.5. As required by the Department and Section III.A.1, RMP shall perform a Method 9 test to monitor compliance with the opacity requirement in Section III.F.1 (ARM 17.8.1213).

F.6. RMP shall maintain an operations log for the temporary auxiliary boiler. In that log, RMP shall document, by month, the hours of operation of the temporary auxiliary boiler. Within 30 days following the end of the month, RMP shall calculate the total hours of operation for the previous month. The monthly information will be used to verify compliance with the rolling 12-month limitation in Section II.F.2. In addition, RMP shall note in the log if during operations of the temporary auxiliary boiler the PC-Boiler is operating and what the PC-Boiler is firing (ARM 17.8.749).

F.7. RMP shall obtain written fuel analyses from the fuel supplier for the No. 2 fuel oil fired in the temporary auxiliary boiler with respect to sulfur content (ARM 17.8.1213).

Recordkeeping

F.8. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

F.9. RMP shall maintain records as described in Section III.F.6 that correspond to the conditions in Sections III.F.2, III.F.3, and III.F.4 (ARM 17.8.1212).

Reporting

F.10. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

F.11. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

F.12. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of results of any source testing that was performed during that semiannual period;

b. A summary of the hours of operation of the temporary boiler during the semiannual period; and

c. A summary the fuel analyses for the temporary boiler; and

d. A summary of the operations log of the temporary boiler with respect to PC-Boiler operation.

G. EU004: Fugitive Emissions: Haul Roads/Vehicle Traffic

Condition(s)	Pollutant/Parameter	Permit Limit	Compliance Demonstration Method	Compliance Demonstration Frequency	Reporting Requirements
G.1, G.2, G.3, G.4, G.5, G.6, G.7, G.8	Particulate Matter	Reasonable Precautions	Treat With Chemical Dust Suppressant and/or Non-Oily & Non-Hazardous Water	As Necessary	Semiannual
			Visual Surveys	Weekly	

Conditions

G.1. RMP shall not cause or authorize emissions to be discharged into the atmosphere from haul roads, access roads, parking lots, or the general plant property without taking reasonable precautions to control emissions of airborne particulate matter (ARM 17.8.308).

Compliance Demonstration

G.2. RMP shall treat all unpaved portions of the access roads, parking lots, and general plant area with chemical dust suppressant and/or clear, non-oily water, which does not contain regulated hazardous waste, as necessary to maintain compliance with the reasonable precautions limitation (ARM 17.8.749).

G.3. RMP shall conduct a weekly visual survey of the visible fugitive emissions from on-site haul roads, access roads, parking lots, or the general plant property. Once per calendar week during daylight hours, RMP shall visually survey fugitive emissions from vehicle traffic/haul roads for sources of excessive fugitive emissions. For the purpose of this survey, excessive fugitive emissions are considered to be any visible emissions, which meet or exceed 15% opacity. The person conducting the survey does not have to be an EPA Method 9 certified observer. However,

the individual must have been certified as a Method 9 observer within the previous 2 years of the visual survey being performed. If sources of excessive emissions are identified, RMP shall immediately conduct a Method 9 or take corrective action to contain or minimize the source of emissions. If corrective actions are taken, then RMP shall immediately conduct a subsequent visual survey to monitor compliance. The person conducting the visual survey shall record the results of the survey in a log, including any corrective action taken (specifically the reasonable precautions as described in Section II.G.2). Conducting a visual survey does not relieve RMP of a liability for a violation determined using Method 9 (ARM 17.8.1213).

Recordkeeping

G.4. RMP shall maintain on-site a log containing all visual observations monitoring compliance with the visual survey requirement(s). The log shall include, at a minimum, the required information as described in Section II.G.3, the date, the time, and the initials of the documenting personnel. The file shall be retained on site for at least 5 years following the date of such visual observations. RMP shall supply these records to the Department upon request (ARM 17.8.1212).

G.5. All compliance source test recordkeeping shall be performed in accordance with the test method used and the Montana Source Test Protocol and Procedures Manual, and shall be maintained on site or under RMP's direct control (ARM 17.8.106 and ARM 17.8.1212).

Reporting

G.6. Any compliance source test reports must be submitted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106 and ARM 17.8.1212).

G.7. The annual compliance certification required by Section V.B must contain a certification statement for the above applicable requirements (ARM 17.8.1212).

G.8. The semiannual monitoring report shall provide (ARM 17.8.1212):

a. A summary of all any instances of excessive fugitive emissions; and

b. A summary of results of any source testing that was performed during that semiannual period.

SECTION IV. NON-APPLICABLE REQUIREMENTS

Air Quality Administrative Rules of Montana (ARM) and Federal Regulations identified as not applicable to the facility or to a specific emissions unit at the time of the permit issuance are listed below (ARM 17.8.1214). The following list does not preclude the need to comply with any new requirements that may become applicable during the permit term.

Facility-Wide

The following table contains non-applicable requirements which are administrated by the Air Resources Management Bureau of the Department of Environmental Quality.

Rule Citation	Reason
40 CFR 57, 40 CFR 59, 40 CFR 60, Subpart B, 40 CFR 60, Subpart C, Cb, Cc, Cd, and Ce 40 CFR 60, Subpart D, Db, and Dc, 40 CFR 60, Subpart E, Ea, Eb, and Ec 40 CFR 60, Subpart F through Subpart M, 40 CFR 60, Subpart N and Na, 40 CFR 60, Subpart O through Subpart X, 40 CFR 60, Subpart Z, 40 CFR 60, Subpart AA and AAa, 40 CFR 60, Subpart BB through Subpart EE, 40 CFR 60, Subpart GG through Subpart HH, 40 CFR 60, Subpart KK through Subpart NN, 40 CFR 60, Subpart PP through Subpart XX, 40 CFR 60, Subpart AAA and Subpart BBB, 40 CFR 60, Subpart DDD, 40 CFR 60, Subpart FFF through Subpart LLL, 40 CFR 60, Subpart NNN through Subpart WWW, 40 CFR 60, Subpart AAAA through DDDD, 40 CFR 85 40 CFR 86 40 CFR 93 40 CFR 95 40 CFR 96 40 CFR 97 ARM 17.8.610	These rules are not applicable because the facility is not listed in the source category cited in the rules.
ARM 17.8.316, ARM 17.8.320, ARM 17.8.321, ARM 17.8.323, ARM 17.8.324, ARM 17.8.326, ARM 17.8.330 through ARM 17.8.334	These rules are not applicable because the facility does not have the specific emissions unit cited in the rules.
40 CFR 55	This regulation contains requirements to control air pollution from outer continental shelf sources, and does not contain requirements specifically relevant to this facility.
40 CFR 82 40 CFR 87 40 CFR 88 40 CFR 89 40 CFR 90 40 CFR 91 40 CFR 92 40 CFR 94	This rule refers to a process, equipment, or activity that is not used or produced at this facility.
40 CFR 93 40 CFR 95	This regulation does not contain facility level requirements.

Emission Units

The permit application identified applicable requirements: non-applicable requirements for individual or specific emission units were not listed. The Department has listed all non-applicable requirements in Section IV.A, these requirements relate to each specific unit, as well as facility wide.

SECTION V. GENERAL PERMIT CONDITIONS

A. Compliance Requirements

ARM 17.8, Subchapter 12, Operating Permit Program §1210(2)(a)-(c)&(e), §1206(6)(c)&(b)

1. The permittee must comply with all conditions of the permit. Any noncompliance with the terms or conditions of the permit constitutes a violation of the Montana Clean Air Act, and may result in enforcement action, permit modification, revocation and reissuance, or termination, or denial of a permit renewal application under ARM Title 17, Chapter 8, Subchapter 12.

2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

3. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. If appropriate, this factor may be considered as a mitigating factor in assessing a penalty for noncompliance with an applicable requirement if the source demonstrates that both the health, safety or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations, and that such health, safety or environmental impacts were unforeseeable and could not have otherwise been avoided.

4. The permittee shall furnish to the Department, within a reasonable time set by the Department (not to be less than 15 days), any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of those records that are required to be kept pursuant to the terms of the permit. This subsection does not impair or otherwise limit the right of the permittee to assert the confidentiality of the information requested by the Department, as provided in 75-2-105, MCA.

5. Any schedule of compliance for applicable requirements with which the source is not in compliance with at the time of permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it was based.

6. For applicable requirements that will become effective during the permit term, the source shall meet such requirements on a timely basis unless a more detailed plan or schedule is required by the applicable requirement or the Department.

B. Certification Requirements

ARM 17.8, Subchapter 12, Operating Permit Program §1207 and §1213(7)(a)&(c)-(d)

1. Any application form, report, or compliance certification submitted pursuant to ARM Title 17, Chapter 8, Subchapter 12, shall contain certification by a responsible official of truth, accuracy and completeness. This certification and any other certification required under ARM Title 17, Chapter 8, Subchapter 12, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

2. Compliance certifications shall be submitted by February 15 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. Each certification must include the required information for the previous calendar year (i.e., January 1 – December 31).

3. Compliance certifications shall include the following:

   a. The identification of each term or condition of the permit that is the basis of the certification;

   b. The identification of the method(s) or other means used by the owner or operator for determining the status of compliance with each term and condition during the certification period, consistent with ARM 17.8.1212;

   c. The status of compliance with each term and condition for the period covered by the certification, *including whether compliance during the period was continuous or intermittent* (based on the method or means identified in ARM 17.8.1213(7)(c)(ii), as described above); and

   d. Such other facts as the Department may require to determine the compliance status of the source.

4. All compliance certifications must be submitted to the Environmental Protection Agency, as well as to the Department, at the addresses listed in the Notification Addresses Appendix of this permit.

C. Permit Shield

ARM 17.8, Subchapter 12, Operating Permit Program §1214(1)-(4)

1. The applicable requirements and non-federally enforceable requirements are included and specifically identified in this permit and the permit includes a precise summary of the requirements not applicable to the source. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements and any non-federally enforceable requirements as of the date of permit issuance.

2. The permit shield described in 1 above shall remain in effect during the appeal of any permit action (renewal, revision, reopening, or revocation and reissuance) to the Board of Environmental Review (Board), until such time as the Board renders its final decision.

3. Nothing in this permit alters or affects the following:

   a. The provisions of Sec. 7603 of the FCAA, including the authority of the administrator under that section;

   b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

   c. The applicable requirements of the Acid Rain Program, consistent with Sec. 7651g(a) of the FCAA;

   d. The ability of the administrator to obtain information from a source pursuant to Sec. 7414 of the FCAA;

   e. The ability of the Department to obtain information from a source pursuant to the Montana Clean Air Act, Title 75, Chapter 2, MCA;

   f. The emergency powers of the Department under the Montana Clean Air Act, Title 75, Chapter 2, MCA; and

g. The ability of the Department to establish or revise requirements for the use of Reasonably Available Control Technology (RACT) as defined in ARM Title 17, Chapter 8. However, if the inclusion of a RACT into the permit pursuant to ARM Title 17, Chapter 8, Subchapter 12, is appealed to the Board, the permit shield, as it applies to the source's existing permit, shall remain in effect until such time as the Board has rendered its final decision.

4. Nothing in this permit alters or affects the ability of the Department to take enforcement action for a violation of an applicable requirement or permit term demonstrated pursuant to ARM 17.8.106, Source Testing Protocol.

5. Pursuant to ARM 17.8.132, for the purpose of submitting a compliance certification, nothing in these rules shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance. However, when compliance or noncompliance is demonstrated by a test or procedure provided by permit or other applicable requirements, the source shall then be presumed to be in compliance or noncompliance unless that presumption is overcome by other relevant credible evidence.

6. The permit shield will not extend to minor permit modifications or changes not requiring a permit revision (see Sections I & J).

7. The permit shield will extend to significant permit modifications and transfer or assignment of ownership (see Sections K & N).

D. Monitoring, Recordkeeping, and Reporting Requirements
ARM 17.8, Subchapter 12, Operating Permit Program §1212(2)&(3)

1. Unless otherwise provided in this permit, the permittee shall maintain compliance monitoring records that include the following information:

   a. The date, place as defined in the permit, and time of sampling or measurement;

   b. The date(s) analyses were performed;

   c. The company or entity that performed the analyses;

   d. The analytical techniques or methods used;

   e. The results of such analyses; and

   f. The operating conditions at the time of sampling or measurement.

2. The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. All monitoring data, support information, and required reports and summaries may be maintained in computerized form at the plant site if the information is made available to Department personnel upon request, which may be for either hard copies or computerized format. Strip-charts must be maintained in their original form at the plant site and shall be made available to Department personnel upon request.

3. The permittee shall submit to the Department, at the addresses located in the Notification Addresses Appendix of this permit, reports of any required monitoring by February 15 and August 15 of each year, or more frequently if otherwise specified in an applicable requirement or elsewhere in the permit. The monitoring report submitted on February 15 of each year must include the required monitoring information for the period of July 1 through December 31 of the previous year. The monitoring report submitted on August 15 of each year must include the required monitoring information for the period of January 1 through June 30 of the current year. All instances of deviations from the permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official, consistent with ARM 17.8.1207.

E. Prompt Deviation Reporting

ARM 17.8, Subchapter 12, Operating Permit Program §1212(3)(c)

The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. To be considered prompt, deviations shall be reported as part of the routine reporting requirements under ARM 17.8.1212(3)(b) and, if applicable, in accordance with the malfunction reporting requirements under ARM 17.8.110, unless otherwise specified in an applicable requirement.

F. Emergency Provisions

ARM 17.8, Subchapter 12, Operating Permit Program §1201(13) and §1214(5), (6)&(8)

1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation and causes the source to exceed a technology-based emission limitation under this permit due to the unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of reasonable preventive maintenance, careless or improper operation, or operator error.

2. An emergency constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the permittee demonstrates through properly signed, contemporaneous logs, or other relevant evidence, that:

   a. An emergency occurred and the permittee can identify the cause(s) of the emergency;

   b. The permitted facility was at the time being properly operated;

   c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit; and

   d. The permittee submitted notice of the emergency to the Department within 2 working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirements of ARM 17.8.1212(3)(c). This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

3. These emergency provisions are in addition to any emergency, malfunction or upset provision contained in any applicable requirement.

G. Inspection and Entry

ARM 17.8, Subchapter 12, Operating Permit Program §1213(3)&(4)

1. Upon presentation of credentials and other requirements as may be required by law, the permittee shall allow the Department, the administrator, or an authorized representative (including an authorized contractor acting as a representative of the Department or the administrator) to perform the following:

   a. Enter the premises where a source required to obtain a permit is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

   c. Inspect at reasonable times any facilities, emission units, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

   d. As authorized by the Montana Clean Air Act and rules promulgated thereunder, sample or monitor, at reasonable times, any substances or parameters at any location for the purpose of assuring compliance with the permit or applicable requirements.

2. The permittee shall inform the inspector of all workplace safety rules or requirements at the time of inspection. This section shall not limit in any manner the Department's statutory right of entry and inspection as provided for in 75-2-403, MCA.

H. Fee Payment

ARM 17.8, Subchapter 12, Operating Permit Program §1210(2)(f) and ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation, and Open Burning Fees §505(3)-(5) (STATE ONLY)

1. The permittee must pay application and operating fees, pursuant to ARM Title 17, Chapter 8, Subchapter 5.

2. Annually, the Department shall provide the permittee with written notice of the amount of the fee and the basis for the fee assessment. The air quality operation fee is due 30 days after receipt of the notice, unless the fee assessment is appealed pursuant to ARM 17.8.511. If any portion of the fee is not appealed, that portion of the fee that is not appealed is due 30 days after receipt of the notice. Any remaining fee, which may be due after the completion of an appeal, is due immediately upon issuance of the Board's decision or upon completion of any judicial review of the Board's decision.

3. If the permittee fails to pay the required fee (or any required portion of an appealed fee) within 90 days of the due date of the fee, the Department may impose an additional assessment of 15% of the fee (or any required portion of an appealed fee) or $100, whichever is greater, plus interest on the fee (or any required portion of an appealed fee), computed at the interest rate established under 15-31-510(3), MCA.

I. Minor Permit Modifications

ARM 17.8, Subchapter 12, Operating Permit Program §1226(3)&(11)

1. An application for a minor permit modification need only address in detail those portions of the permit application that require revision, updating, supplementation, or deletion, and may reference any required information that has been previously submitted.

2. The permit shield under ARM 17.8.1214 will not extend to any minor modifications processed pursuant to ARM 17.8.1226.

J. Changes Not Requiring Permit Revision

ARM 17.8, Subchapter 12, Operating Permit Program §1224(1)-(3), (5)&(6)

1. The permittee is authorized to make changes within the facility as described below, provided the following conditions are met:

   a. The proposed changes do not require the permittee to obtain an air quality preconstruction permit under ARM Title 17, Chapter 8, Subchapter 7;

   b. The proposed changes are not modifications under Title I of the FCAA, or as defined in ARM Title 17, Chapter 8, Subchapters 8, 9, or 10;

   c. The emissions resulting from the proposed changes do not exceed the emissions allowable under this permit, whether expressed as a rate of emissions or in total emissions;

   d. The proposed changes do not alter permit terms that are necessary to enforce applicable emission limitations on emission units covered by the permit; and

   e. The facility provides the administrator and the Department with written notification at least 7 days prior to making the proposed changes.

2. The permittee and the Department shall attach each notice provided pursuant to 1.e above to their respective copies of this permit.

3. Pursuant to the conditions above, the permittee is authorized to make Sec. 502(b)(10) changes, as defined in ARM 17.8.1201(30), without a permit revision. For each such change, the written notification required under 1.e above shall include a description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

4. The permittee may make a change not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided the following conditions are met:

   a. Each proposed change does not weaken the enforceability of any existing permit conditions;

   b. The Department has not objected to such change;

   c. Each proposed change meets all applicable requirements and does not violate any existing permit term or condition; and

   d. The permittee provides contemporaneous written notice to the Department and the administrator of each change that is above the level for insignificant emission units as defined in ARM 17.8.1201(22) and 17.8.1206(3), and the written notice describes each such change, including the date of the change, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

5. The permit shield authorized by ARM 17.8.1214 shall not apply to changes made pursuant to ARM 17.8.1224(3) and (5), but is applicable to terms and conditions that allow for increases and decreases in emissions pursuant to ARM 17.8.1224(4).

K. Significant Permit Modifications

ARM 17.8, Subchapter 12, Operating Permit Program §1227(1), (3)&(4)

1. The modification procedures set forth in 2 below must be used for any application requesting a significant modification of this permit. Significant modifications include the following:

   a. Any permit modification that does not qualify as either a minor modification or as an administrative permit amendment;

   b. Every significant change in existing permit monitoring terms or conditions;

   c. Every relaxation of permit reporting or recordkeeping terms or conditions that limit the Department's ability to determine compliance with any applicable rule, consistent with the requirements of the rule; or

   d. Any other change determined by the Department to be significant.

2. Significant modifications shall meet all requirements of ARM Title 17, Chapter 8, including those for applications, public participation, and review by affected states and the administrator, as they apply to permit issuance and renewal, except that an application for a significant permit modification need only address in detail those portions of the permit application that require revision, updating, supplementation or deletion.

3. The permit shield provided for in ARM 17.8.1214 shall extend to significant modifications.

L. Reopening for Cause

ARM 17.8, Subchapter 12, Operating Permit Program §1228(1)&(2)

This permit may be reopened and revised under the following circumstances:

1. Additional applicable requirements under the FCAA become applicable to the facility when the permit has a remaining term of 3 or more years. Reopening and revision of the permit shall be completed not later than 18 months after promulgation of the applicable requirement. No reopening is required under ARM 17.8.1228(1)(a) if the effective date of the applicable requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms or conditions have been extended pursuant to ARM 17.8.1220(12) or 17.8.1221(2);

2. Additional requirements (including excess emission requirements) become applicable to an affected source under the Acid Rain Program. Upon approval by the administrator, excess emission offset plans shall be deemed incorporated into the permit;

3. The Department or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emission standards or other terms or conditions of the permit; or

4. The administrator or the Department determines that the permit must be revised or revoked and reissued to ensure compliance with the applicable requirements.

M. Permit Expiration and Renewal

ARM 17.8, Subchapter 12, Operating Permit Program §1210(2)(g), §1220(11)&(12), and §1205(2)(d)

1. This permit is issued for a fixed term of 5 years.

2. Renewal of this permit is subject to the same procedural requirements that apply to permit issuance, including those for application, content, public participation, and affected state and administrator review.

3. Expiration of this permit terminates the permittee's right to operate unless a timely and administratively complete renewal application has been submitted consistent with ARM 17.8.1221 and 17.8.1205(2)(d). If a timely and administratively complete application has been submitted, all terms and conditions of the permit, including the application shield, remain in effect after the permit expires until the permit renewal has been issued or denied.

4. For renewal, the permittee shall submit a complete air quality operating permit application to the Department not later than 6 months prior to the expiration of this permit, unless otherwise specified. If necessary to ensure that the terms of the existing permit will not lapse before renewal, the Department may specify, in writing to the permittee, a longer time period for submission of the renewal application. Such written notification must be provided at least 1 year before the renewal application due date established in the existing permit.

N. Severability Clause

ARM 17.8, Subchapter 12, Operating Permit Program §1210(2)(i)&(l)

1. The administrative appeal or subsequent judicial review of the issuance by the Department of an initial permit under this subchapter shall not impair in any manner the underlying applicability of all applicable requirements, and such requirements continue to apply as if a final permit decision had not been reached by the Department.

2. If any provision of a permit is found to be invalid, all valid parts that are severable from the invalid part remain in effect. If a provision of a permit is invalid in one or more of its applications, the provision remains in effect in all valid applications that are severable from the invalid applications.

O. Transfer or Assignment of Ownership

ARM 17.8, Subchapter 12, Operating Permit Program §1225(2)&(4)

1. If an administrative permit amendment involves a change in ownership or operational control, the applicant must include in its request to the Department a written agreement containing a specific date for the transfer of permit responsibility, coverage and liability between the current and new permittee.

2. The permit shield provided for in ARM 17.8.1214 shall not extend to administrative permit amendments.

P. Emissions Trading, Marketable Permits, Economic Incentives

ARM 17.8, Subchapter 12, Operating Permit Program §1226(2)

Notwithstanding ARM 17.8.1226(1) and (7), minor air quality operating permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in the Montana State Implementation Plan or in applicable requirements promulgated by the administrator.

Q. No Property Rights Conveyed

ARM 17.8, Subchapter 12, Operating Permit Program §1210(2)(d)

This permit does not convey any property rights of any sort, or any exclusive privilege.

R. Testing Requirements
ARM 17.8, Subchapter 1, General Provisions §105

The permittee shall comply with ARM 17.8.105.

S. Source Testing Protocol
ARM 17.8, Subchapter 1, General Provisions §106

The permittee shall comply with ARM 17.8.106.

T. Malfunctions
ARM 17.8, Subchapter 1, General Provisions §110

The permittee shall comply with ARM 17.8.110.

U. Circumvention
ARM 17.8, Subchapter 1, General Provisions §111

The permittee shall comply with ARM 17.8.111.

V. Motor Vehicles
ARM 17.8, Subchapter 3, Emission Standards §325

The permittee shall comply with ARM 17.8.325.

W. Annual Emissions Inventory
ARM 17.8, Subchapter 5, Air Quality Permit Application, Operation and Open Burning Fees §505 (STATE ONLY)

The permittee shall supply the Department with annual production and other information for all emission units necessary to calculate actual or estimated actual amount of air pollutants emitted during each calendar year. Information shall be gathered on a calendar-year basis and submitted to the Department by the date required in the emission inventory request, unless otherwise specified in this permit. Information shall be in the units required by the Department.

X. Open Burning
ARM 17.8, Subchapter 6, Open Burning §604, 605 and 606

The permittee shall comply with ARM 17.8.604, 605 and 606.

Y. Montana Air Quality Permits
ARM 17.8, Subchapter 7, Permit, Construction and Operation of Air Contaminant Sources §745 and 764 (ARM 17.8.745(1) and 764(1)(b) are STATE ENFORCEABLE ONLY until approval by the EPA as part of the SIP)

1. Except as specified, no person shall construct, install, alter or use any air contaminant source or stack associated with any source without first obtaining a permit from the Department or Board. A permit is not required for those sources or stacks as specified by ARM 17.8.744(1)(a)-(k).

2. The permittee shall comply with ARM 17.8.743, 744, 745, 748, and 764.

3. ARM 17.8.745(1) specifies de minimis changes as construction or changed conditions of operation at a facility holding an air quality preconstruction permit issued under Chapter 8 that does not increase the facility's potential to emit by more than 15 tons per year of any pollutant, except (STATE ENFORCEABLE ONLY until approved by the EPA as part of the SIP):

   a. Any construction or changed condition that would violate any condition in the facility's existing air quality preconstruction permit or any applicable rule contained in Chapter 8 is prohibited, except as provided in ARM 17.8.745(2);

   b. Any construction or changed conditions of operation that would qualify as a major modification under Subchapters 8, 9 or 10 of Chapter 8;

   c. Any construction or changed condition of operation that would affect the plume rise or dispersion characteristic of emissions that would cause or contribute to a violation of an ambient air quality standard or ambient air increment as defined in ARM 17.8.804;

   d. Any construction or improvement project with a potential to emit more than 15 tons per year may not be artificially split into smaller projects to avoid air quality preconstruction permitting; or

   e. Emission reductions obtained through offsetting within a facility are not included when determining the potential emission increase from construction or changed conditions of operation, unless such reductions are made federally enforceable.

4. Any facility making a de minimis change pursuant to ARM 17.8.745(1) shall notify the Department if the change would include a change in control equipment, stack height, stack diameter, stack gas temperature, source location or fuel specifications, or would result in an increase in source capacity above its permitted operation or the addition of a new emission unit. The notice must be submitted, in writing, 10 days prior to start up or use of the proposed de minimis change, or as soon as reasonably practicable in the event of an unanticipated circumstance causing the de minimis change, and must include the information requested in ARM 17.8.745(1) (STATE ENFORCEABLE ONLY until approval by the EPA as part of the SIP).

Z. National Emission Standard for Asbestos
40 CFR, Part 61, Subpart M

The permittee shall not conduct any asbestos abatement activities except in accordance with 40 CFR 61, Subpart M (National Emission Standard for Hazardous Air Pollutants for Asbestos).

AA. Asbestos
ARM 17.74, Subchapter 3, General Provisions and Subchapter 4, Fees

The permittee shall comply with ARM 17.74.301, *et seq*., and ARM 17.74.401, *et seq*. (State only)

BB. Stratospheric Ozone Protection – Servicing of Motor Vehicle Air Conditioners
40 CFR, Part 82, Subpart B

If the permittee performs a service on motor vehicles and this service involves ozone-depleting substance/refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR 82, Subpart B.

CC. Stratospheric Ozone Protection – Recycling and Emission Reductions

40 CFR, Part 82, Subpart F

The permittee shall comply with the standards for recycling and emission reductions in 40 CFR 82, Subpart F, except as provided for MVACs in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156;

2. Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158;

3. Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technical certification program pursuant to §82.161;

4. Persons disposing of small appliances, MVACs and MVAC-like (as defined at §82.152) appliances must comply with recordkeeping requirements pursuant to §82.166;

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

DD. Emergency Episode Plan

The permittee shall comply with the requirements contained in Chapter 9.7 of the State of Montana Air Quality Control Implementation Plan.

Each major source emitting 100 tons per year located in a Priority I Air Quality Control Region, shall submit to the Department a legally enforceable Emergency Episode Action Plan (EEAP) that details how the source will curtail emissions during an air pollutant emergency episode. The industrial EEAP shall be in accordance with the Department's EEAP and shall be submitted according to a timetable developed by the Department, following Priority I reclassification.

EE. Definitions

Terms not otherwise defined in this permit or in the Definitions and Abbreviations Appendix of this permit, shall have the meaning assigned to them in the referenced regulations.

APPENDICES

Appendix A INSIGNIFICANT EMISSION UNITS

Disclaimer: The information in this appendix is not State or Federally enforceable, but is presented to assist RMP, the permitting authority, inspectors, and the public.

Pursuant to ARM 17.8.1201(22)(a), an insignificant emission unit means any activity or emissions unit located within a source that: (i) has a potential to emit less than 5 tons per year of any regulated pollutant; (ii) has a potential to emit less than 500 pounds per year of lead; (iii) has a potential to emit less than 500 pounds per year of hazardous air pollutants listed pursuant to Sec. 7412 (b) of the FCAA; and (iv) is not regulated by an applicable requirement, other than a generally applicable requirement that applies to all emission units subject to Subchapter 12.

RMP did not provide a list of insignificant sources and/or activities. Therefore, this permit does not identify insignificant activities. Because there are no requirements to update such a list, the status of such emission units and/or activities may change.

Appendix B DEFINITIONS and ABBREVIATIONS

"Act" means the Clean Air Act, as amended, 42 U.S. 7401, *et seq*.

"Administrative permit amendment" means an air quality operating permit revision that:

(a) Corrects typographical errors;

(b) Identifies a change in the name, address or phone number of any person identified in the air quality operating permit, or identifies a similar minor administrative change at the source;

(c) Requires more frequent monitoring or reporting by RMP;

(d) Requires changes in monitoring or reporting requirements that the Department deems to be no less stringent than current monitoring or reporting requirements;

(e) Allows for a change in ownership or operational control of a source if the Department has determined that no other change in the air quality operating permit is necessary, consistent with ARM 17.8.1225; or

(f) Incorporates any other type of change which the Department has determined to be similar to those revisions set forth in (a)-(e), above.

"Applicable requirement" means all of the following as they apply to emission units in a source requiring an air quality operating permit (including requirements that have been promulgated or approved by the Department or the administrator through rule making at the time of issuance of the air quality operating permit, but have future-effective compliance dates, provided that such requirements apply to sources covered under the operating permit):

(a) Any standard, rule, or other requirement, including any requirement contained in a consent decree or judicial or administrative order entered into or issued by the Department, that is contained in the Montana state implementation plan approved or promulgated by the administrator through rule making under Title I of the FCAA;

(b) Any federally enforceable term, condition or other requirement of any air quality preconstruction permit issued by the Department under Subchapters 7, 8, 9 and 10 of this chapter, or pursuant to regulations approved or promulgated through rule making under Title I of the FCAA, including Parts C and D;

(c) Any standard or other requirement under Sec. 7411 of the FCAA, including Sec. 7411(d);

(d) Any standard or other requirement under Sec. 7412 of the FCAA, including any requirement concerning accident prevention under Sec. 7412(r)(7), but excluding the contents of any risk management plan required under Sec. 7412(r);

(e) Any standard or other requirement of the acid rain program under Title IV of the FCAA or regulations promulgated thereunder;

(f) Any requirements established pursuant to Sec. 7661c(b) or Sec. 7414(a)(3) of the FCAA;

(g) Any standard or other requirement governing solid waste incineration, under Sec. 7429 of the FCAA;

(h) Any standard or other requirement for consumer and commercial products, under Sec. 7511b(e) of the FCAA;

(i) Any standard or other requirement for tank vessels, under Sec. 7511b(f) of the FCAA;

(j) Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under Title VI of the FCAA, unless the administrator determines that such requirements need not be contained in an air quality operating permit;

(k) Any national ambient air quality standard or increment or visibility requirement under Part C of Title I of the FCAA, but only as it would apply to temporary sources permitted pursuant to Sec. 7661c(e) of the FCAA; or

(l) Any federally enforceable term or condition of any air quality open burning permit issued by the Department under Subchapter 6.

"Department" means the Montana Department of Environmental Quality.

"Excess Emissions" means any visible emissions from a stack or source, viewed during the visual surveys, that meets or exceeds 15% opacity (or 30% opacity if associated with a 40% opacity limit) during normal operating conditions.

"Emissions unit" means any part or activity of a stationary source that emits or has the potential to emit any regulated air pollutant or any pollutant listed under Sec. 7412(b) of the FCAA. This term is not meant to alter or affect the definition of the term "unit" for purposes of Title IV of the FCAA.

"FCAA" means the Federal Clean Air Act, as amended.

"Federally enforceable" means all limitations and conditions which are enforceable by the administrator, including those requirements developed pursuant to 40 CFR Parts 60 and 61, requirements within the Montana state implementation plan, and any permit requirement established pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Part 51, Subpart I, including operating permits issued under an EPA approved program that is incorporated into the Montana state implementation plan and expressly requires adherence to any permit issued under such program.

"Fugitive emissions" means those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

"General air quality operating permit" or **"general permit"** means an air quality operating permit that meets the requirements of ARM 17.8.1222, covers multiple sources in a source category, and is issued in lieu of individual permits being issued to each source.

"Hazardous air pollutant" means any air pollutant listed as a hazardous air pollutant pursuant to Sec. 112(b) of the FCAA.

"Non-federally enforceable requirement" means the following as they apply to emission units in a source requiring an air quality operating permit:

(a) Any standard, rule, or other requirement, including any requirement contained in a consent decree, or judicial or administrative order entered into or issued by the Department, that is not contained in the Montana state implementation plan approved or promulgated by the administrator through rule making under Title I of the FCAA;

(b) Any term, condition or other requirement contained in any air quality preconstruction permit issued by the Department under Subchapters 7, 8, 9 and 10 of this chapter that is not federally enforceable;

(c) Does not include any Montana ambient air quality standard contained in Subchapter 2 of this chapter.

"Permittee" means the owner or operator of any source subject to the permitting requirements of this subchapter, as provided in ARM 17.8.1204, that holds a valid air quality operating permit or has submitted a timely and complete permit application for issuance, renewal, amendment, or modification pursuant to this subchapter.

"Regulated air pollutant" means the following:

(a) Nitrogen oxides or any volatile organic compounds;

(b) Any pollutant for which a national ambient air quality standard has been promulgated;

(c) Any pollutant that is subject to any standard promulgated under Sec. 7411 of the FCAA;

(d) Any Class I or II substance subject to a standard promulgated under or established by Title VI of the FCAA; or

(e) Any pollutant subject to a standard or other requirement established or promulgated under Sec. 7412 of the FCAA, including but not limited to the following:

(i) Any pollutant subject to requirements under Sec. 7412(j) of the FCAA. If the administrator fails to promulgate a standard by the date established in Sec. 7412(e) of the FCAA, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established in Sec. 7412(e) of the FCAA;

(ii) Any pollutant for which the requirements of Sec. 7412(g)(2) of the FCAA have been met but only with respect to the individual source subject to Sec. 7412(g)(2) requirement.

"Responsible official" means one of the following:

(a) For a corporation: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(i) The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars); or

(ii) The delegation of authority to such representative is approved in advance by the Department.

(b) For a partnership or sole proprietorship: a general partner or the proprietor, respectively.

(c) For a municipality, state, federal, or other public agency: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a regional administrator of the environmental protection agency).

(d) For affected sources: the designated representative in so far as actions, standards, requirements, or prohibitions under Title IV of the FCAA or the regulations promulgated thereunder are concerned, and the designated representative for any other purposes under this subchapter.

Abbreviations:

ARM	Administrative Rules of Montana
ASTM	American Society of Testing Materials
BACT	Best Available Control Technology
BDT	bone dry tons
BTU	British Thermal Unit
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic foot
dscfm	dry standard cubic foot per minute
EEAP	Emergency Episode Action Plan
EPA	U.S. Environmental Protection Agency
EPA Method	Test methods contained in 40 CFR 60, Appendix A
EU	emissions unit
FCAA	Federal Clean Air Act
gr	grains
HAP	hazardous air pollutant
IEU	insignificant emissions unit
Mbdft	thousand board feet
Method 5	40 CFR 60, Appendix A, Method 5
Method 9	40 CFR 60, Appendix A, Method 9
MMbdft	million board feet
MMBTU	million British Thermal Units
NOx	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
Pb	lead
PM	particulate matter
PM10	particulate matter less than 10 microns in size
psi	pounds per square inch
scf	standard cubic feet
SIC	Source Industrial Classification
SO_2	sulfur dioxide
SOx	oxides of sulfur
TPY	tons per year
U.S.C.	United States Code
VE	visible emissions
VOC	volatile organic compound

Appendix C NOTIFICATION ADDRESSES

Compliance Notifications:

Montana Department of Environmental Quality
Permitting and Compliance Division
Air Resources Management Bureau
P.O. Box 200901
Helena, MT 59620-0901

United States EPA
Air Program Coordinator
Region VIII, Montana Office
10 W. 15th Street, Suite 3200
Helena, MT 59626

Permit Modifications:

Montana Department of Environmental Quality
Permitting and Compliance Division
Air Resources Management Bureau
P.O. Box 200901
Helena, MT 59620-0901

Office of Partnerships and Regulatory Assistance
Air and Radiation Program
US EPA Region VIII 8P-AR
1595 Wynkoop Street
Denver, CO 80202-1129

Appendix D AIR QUALITY INSPECTOR INFORMATION

Disclaimer: The information in this appendix is not State or Federally enforceable, but is presented to assist RMP, permitting authority, inspectors, and the public.

Direction to Plant: The RMP facility is located approximately 1.5 miles northeast of Hardin, Montana, on Sugar Factory Road, Route #1. Exit Interstate 90 at Hardin, Montana, and proceed north on Sugar Factory Road approximately 1.5 miles to the site.

Safety Equipment Required: All visitors are required to check in when arriving on site. Hard hats, safety glasses, and protective footwear are required at all times except in office areas or the CEMS shelter. All visitors are required to be accompanied by plant personnel. Hard hats and safety glasses are available if needed.

Facility Plot Plan: A facility plot plan was included with the RMP application for this Title V Operating Permit and is available for review at the Department's office in Helena, Montana.

Appendix E ACID RAIN

Appendix F PC-Boiler Start-Up, Shutdown, and SDA Atomizer Change-Out Procedures

PC-Boiler startup and shutdown, and SDA atomizer change-out operations shall be conducted as described in this attachment.

I. PC-Boiler Startup Operations

The PC-Boiler/generator system must be started gradually to allow system components to equilibrate and to avoid excessive thermal stresses on mechanical components. The amount of time required to complete a startup procedure will vary depending upon a variety of factors; however, typical procedures require less than 16 hours. RMP proposed a combined PC-Boiler Startup and shutdown and SDA atomizer change-out limit of no more than 6 hours per rolling 24-hour average while coal is being combusted in the PC-Boiler. During the startup process, the PC-Boiler steps through a series of changes to reach full load firing on coal. During this process, SO_2, HCl, HF, H_2SO_4 mist, PM/PM_{10}, radionuclides, trace metals, and NO_x emissions may vary until air pollution control equipment can be operated at a minimum continuous load on the PC-Boiler. The startup procedures are as follows:

1. Natural gas igniters are placed in service to preheat the PC-Boiler and boil out the superheater pendants. The time required to complete this step depends on the initial temperature of the PC-Boiler.

    - A cold boiler must fire for approximately 8 hours.
    - A warm boiler must fire for approximately 5 hours.
    - A hot boiler must fire for approximately 2 hours.

2. Once the superheater pendants are boiled out, the steam pressure and temperature are increased to the steam quality required to roll the steam turbine.

3. The steam turbine is then rolled up to 1,000 revolutions per minute (RPM) and held until the turbine is at the required metal temperatures.

4. The turbine can then roll up to sync speed (3,600 RPM).

5. Once at sync speed and with vibration indicators in the normal range, the turbine is placed online and the plant load increased to 7 MWs.

6. Plant load (plant output) for the next hour must be scheduled with a PowerEx dispatcher before continuing with the startup procedure.

7. The FFB can then be placed in service. In order to complete this step:

    All 12 igniters must be firing on gas; and
    The stack temperature must be above 175 degrees Fahrenheit.
    - The FFB logic then puts two compartments in service and monitors the stack temperature. During cooler weather the stack temperature will drop 10 to 15 degrees Fahrenheit each time a set of compartments is placed in service. It then takes approximately 20 minutes for the stack temperature to return to the 175 degree set point, at which time the next set of two compartments is placed in service.
    - Because there are six compartments, it takes approximately 40 to 50 minutes to get the FFB completely in service.

8. The first pulverizer can now be started and plant load increases up to approximately 40 MWs. Coal flow to the PC-Boiler is detected by the DAHS.

9. Plant load is scheduled at minimum load (79 MWs) with Power Ex dispatcher for approximately 1 hour.

10. Control systems are placed in auto and allowed to settle out. This step takes approximately 30 to 45 minutes to complete.

11. The second pulverizer is then started and plant load increases to the scheduled minimum load. Coal flow to the PC-Boiler is detected by the DAHS.

12. At this time the SCR and SDA can be placed in service.

    - The SCR average temperature must be at 590 degrees Fahrenheit between the inlet and outlet of the SCR. This minimum temperature can only be achieved when the plant is at or above 79 MWs.
    - The SDA inlet temperature must be between 250 and 300 degrees Fahrenheit before the atomizer can be placed in service (start spraying slurry).
        - If the SDA inlet temperature is not at setpoint, then outlet temperature will drop below 169 degrees Fahrenheit and the SDA spray valves will close, shutting down the atomizer.
        - This temperature setpoint is in place to protect the FFB from getting coated with wet fly ash and plugging the bags.

As soon as the plant is at minimum load (79 MWs) and all the air pollution control equipment is in service, the startup process is complete. At this time the unit can be loaded to the desired output.

II. PC-Boiler Shutdown Operations

The shutdown procedures are as follows:

1. The slide gate is closed on Coal Feeder C as load is decreased to approximately 92 MW. Coal is allowed to empty out of the feeder and the coal mill. The DAHS detects when coal flow to the PC-Boiler has stopped. Simultaneously, the lime/recycle ash flow to SDA is reduced as needed to maintain an SDA outlet temperature of between 172 and 175 degrees Fahrenheit.

2. The slide gate is closed on Coal Feeder B as load is decreased below 79 MW. Coal is allowed to empty out of the feeder and the coal mill. The DAHS detects when coal flow to the PC-Boiler has stopped. SDA lime/recycle ash flow is ramped down to zero flow while maintaining a baghouse inlet temperature of at least 169 degrees Fahrenheit, SCR ammonia injection is turned off.

3. The slide gate is closed on Coal Feeder A as load is decreased below 79 MW. Coal is allowed to empty out of the feeder and the coal mill. The DAHS detects when coal flow to the PC-Boiler has stopped. Simultaneously, natural gas is fired to stabilize the system.

4. When load reaches 10 MW, the gas flow to the PC-Boiler is turned off. The steam turbine is taken off line, the stop valve is closed, and when the turbine has stopped turning, the turbine is put on the turning gear.

Note: If the plant is going to be down for a short period of time, the slide gates are left open and the feeder is shut off, and the coal mill is ran until it is empty.

III. SDA Atomizer Change-Out Operations

Unscheduled Change-out

When lime slurry flow reductions are observed (approximately 30 – 40 gallons per minute), PC-Boiler SO_2 emissions increase, or an increase control valve opening indicates atomizer plugging, the in-service atomizer will be replaced with the standby atomizer. The removed atomizer wheel is cleaned and placed in ready standby position.

Scheduled Change-Out

Routine atomizer maintenance is scheduled no longer than 10 days after the last atomizer change-out. In that case, the in-service atomizer is removed and replaced with the standby atomizer. The removed atomizer wheel is cleaned and placed in ready standby position.

Atomizer Change-Out Process

1. The slurry flow, SO_2 emissions, and control valve position are noted.

2. Prior to removing the atomizer from service, scrubbing is increased if possible to build a thick cake on the fabric filter bags.

3. The slurry flow and the atomizer motor are secured.

4. The atomizer is removed from the in-service position.

5. The stand-by atomizer is installed.

6. The atomizer is started and the status of the slurry flow, SO_2 emissions, and control valve position is verified to ensure they have returned to normal.

Under each scenario, atomizer change-out should require no more than 30-45 minutes except that one to one and one-half hours may be required if no standby atomizer motor is available.